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iowa department of environmental quality

INVENTORY OF IOWA MUNICIPAL
WASTEWATER TREATMENT FACILITIES 1974



STATE OF IOWA
Department of Environmental Quality
3920 DELAWARE
P.O. BOX 3326
DES MOINES, IOWA 50316



TREATMENT CODE

The principal treatment devices and methods are identified by capitalized letters and are further described by the subsequent lower case letters. In general, the symbols are arranged in the order of sewage flow with sludge treatment symbols following thereafter. Combination units performing more than one function in a single structure or industrial pretreatment facilities, are denoted by enclosing the appropriate symbols in parentheses. Chlorination, where used, is usually noted only once for each plant regardless of whether actual application is made at more than one point.

Key to Symbols

A ----Aeration (in tanks or basins)	E ----Chlorination
Aa----Activated sludge, diffused air aeration	Ec----With contact tank
Ac----Contact stabilization	Eg----By chlorine gas
Ad----Aerobic digestion	Eh----By hypochlorite
Ae----Extended aeration	
Am----Activated sludge, mechanical aeration	F ----Filters
Ao----Oxidation ditch	Fc----Covered filter
Ap----Aeration, plain, without sludge return	Fo----Roughing filter
	Fr----Rapid sand or other sand straining
B ----Sludge beds	Fs----Intermittent sand
Bo----Open	Ft----Trickling (no further details)
Bc----Covered	Fth---High capacity
	Ft2H--High capacity, two-stage
C ----Settling tanks	Ftn---Fixed nozzle, standard capacity
Ci----Two-story (Imhoff)	Ftr---Rotary distributor, standard capacity
Cm----Mechanically equipped	Ftt---Traveling distributor, . standard capacity
Cp----Plain, hopper bottom or inter- mittently drained for cleaning	
Cs----Septic tank	G ----Grit chambers
Ct----Multiple tray, mechanically equipped	Ga----Aerated grit removal
CmDm--Two-story "Clarigester"	Gh----Without continuous removal mechanism
CpDo--Two-story "Spiragester"	Gm----With continuous removal mechanism
D ----Digesters, separate sludge	Gp----Grit pocket at screen chamber
Dc----With cover (fixed if not other- wise specified)	Gw----Separate grit washing device
D(cg)-Gasometer in fixed cover	
De----Gas used in engines (heat usually recovered)	H ----Sludge storage tanks (not second-stage digestion units)
Df----With floating cover	Ha----Aerated
Dg----With gasometer cover	Hc----Covered
Dh----Gas used in heating	Hm----With stirring or concentrating mechanism
Dm----Mixing	Ho----Open
Do----Open top	
Dp----Unheated	I ----Sewage application to land
Dr----Heated	If----Ridge and furrow irrigation
Ds----Gas storage in separate holder	Is----Subsurface application
Dt----Stage digestion	Iu----Land underdrained
	Iy----Spray irrigation

K ----Chemical treatment-flocculation.
Chemical treatment-type units
or equipment not necessarily
complete or operated as chemical
treatment.

Ka----Flocculation tank, air agitation

Kc----Chemicals used

Km----Flocculation tank, mechanical
agitation

Kx----No chemicals used

L ----Lagoons

La----Aerated lagoon

Le----Evaporation lagoon

Ln----Anaerobic lagoon

Lo----Waste stabilization lagoon

Lp----Polishing lagoon

Ls----Sludge lagoon - not for treatment
of sewage

O ----Grease removal or skimming
tanks - not incidental to
settling tanks

Oa----Aerated tank (diffused air)

Om----Mechanically equipped tank

Ov----Vacuum type

S ----Screens

Sc----Comminutor (screenings ground
in sewage stream)

Sf----Fine screen (less than 1/8"
opening)

Sg----Screenings ground in separate
grinder and returned to sewage
flow

Sh----Bar rack, hand cleaned 1/2" -
2" openings

Si----Intermediate screen 1/8" -
1/2" openings

Sm----Bar rack mechanically cleaned
1/2" - 2" openings

Sr----Coarse rack (openings over 2")

St----Garbage ground at plant and
returned to sewage flow

T ----Sludge thickener

Tc----Covered

Tm----Stirring mechanism

Tp----Open Top

V ----Mechanical sludge dewatering

Vc----Sludge centrifuge

Vp----Pressure filter

Vv----Rotary vacuum filter

Vo----Other

X ----Sludge drying or incineration

Xd----Used for fertilizer

Xf----Sludge burned for fuel

Xl----Disposal to land

Xn----Incinerated

Xp----Used for fill

Z ----Sludge conditioning

Za----Chemicals used, alum

Zc----Chemical used (unidentified)

Zi----Chemicals used, iron salts

Zl----Chemicals used, lime

Zp----Polyelectrolytes used

Zy----Elutriation

R ----Rotating Biological Disc.

Rc----Covered

* ----Odor control

TOWN	POP.	PRIMARY TREATMENT	DIGESTION	SECONDARY TREATMENT
Ackley	1,794	Gh Sc Cm	Dcp Bo Xl	Ftrc Cm
Ackworth	111			
Adair	750	ShCi	Bo	Ftr Cp
Adel	2,419	Gmw Sm (Cp Do)	Bo	Ftr Cp
Afton	823	Lo		Lo
Agency	610	Lo		Lo
Ainsworth	455			
Akron	1,324	SchAc	AdXl	AcEcg
Albert City	683	Sh Ci	BoXl	Ftrc Cp
Albia N	4,151	Gm Sch Cm	Dfhm Bo	Ftr Cm
SW		Gh Sh Ci	Bo	Ftr Cp
Albion	722	Lo		Lo
Alburnett	418	Lo		Lo
Alden	876	Lo		Lo
Alexander	249			
Algona	6,032	Sg Gm(KmCm)	Dfh Bo Xl	Ftr Cm
Allerton	643	Sch Ci	Bo	FoCiFtrCi
Allison	1,071	Lo		Lo
Alta	1,717	Sh Cm	Dfh Bo	Ftr Cm
Alta Vista	283	Sh Ci	Bo	Ftn Cp
Alton	1,018	Lo		Lo
Altoona	2,883	Sch Cm	Dfhm Xl	FtrCmEcg
Alvord	204	Lo		
Amana S.D.	600	Lo		LoLo
Ames	39,505	SckaGmCm	Dfgh Bo	Ftr Cm Ecg
Anamosa	4,389	SchGa w ka	Dfhm Bo Xl	Ftr Cm
Andover	90	Lo		Lo
Andrew	335	Lo		Lo
Anita	1,101	Lo		Lo
Ankeny E	9,151	Sm Gh Cm	Dfh Bo	Ftr Cm
W		Gh Sh Cm	Dfr Bo	Ftr Cm
Anthon	711	ShCpDo	Xl	FtrcCm
Aplington	936	ShCm	DoBo	FtnCp
Arcadia	414			
Archer	134			
Aredale	126			
Arion	199			
Arispe	93			
Arlington	481	ShCp	DcpBo	FthCp
Armstrong	1,061	Lo		Lo
Arnolds Park	970	Iowa Great Lakes Sanitary District		
Arthur	273	Lo		Lo
Asbury	410	Collection System to Dubuque		
Ashton	483	Lo		Lo
Aspinwall	81			

TOWN	POP.	PRIMARY TREATMENT	DIGESTION	SECONDARY TREATMENT
Atalissa	244			
Athelstan	65			
Atkins	581	ShCi	Bo	FthCp
Atlantic	7,306	GmKm2Cm	DfhBo	2FtrCm
Auburn	329			
Audubon	2,907	SchCm	DfhBo	FtrCm
Aurelia	1,065	SchCi	BoXl	FtrcCp
Aurora	229			
Avoca	1,535	Lo		Lo
Ayrshire	243			
Badger	465	Lo		Lo
Bagley	365	Cs	Xl	
Baldwin	172			
Balltown	79			
Bancroft	1,103	Ci	Bo	Fs
Bankston	28			
Barnes City	238			
Barnum	147			
Bassett	152			
Batavia	525			
Battle Creek	837	Lo		Lo
Baxter	788	Lo		Lo
Bayard	628			
Beacon	431	Lo		Lo
Beaconsfield	48			
Beaman	222			
Beaver	113			
Bedford	1,733	ScCm	DfhBoXl	FtoCmFthCm
Belle Plaine	2,810	GhScCm	DfhHoBo	FtrCp
Bellevue	2,336	Sh(CpDo)	Ls	Fctr2CmEcg
Belmond	2,358	ScCm	DfhBoXl	FtrCm
Bennett	385	Lo		Lo
Benton	46			
Berkley	56			
Bernard	148			
Bertram	177			
Bettendorf	22,315	To Davenport S.T.P.		
Bevington	54			
Birmingham	452	Lo		Lo
Blairsburg	287	Lo		Lo
Blairstown	612	Lo		Lo
Blakesburg	403			
Blanchard	139			

TOWN	POP.	PRIMARY TREATMENT	DIGESTION	SECONDARY TREATMENT
Blenco	225	Lo		Lo
Blockton	273			
Bloomfield	2,718	ScGmCm	DchDcpBo	FtnFtrCp
Blue Grass	1,032	Lo		Lo
Bode	372	Lo		Lo
Bonaparte	517			
Bondurant	462	Lo		Lo
Boone	12,468	SchGamkaCm	HoZilVrXp	FtrCm
Bouton	160			
Boxholm	242			
Boyden	670	Lo		Lo
Braddyville	207	Lo		Lo
Bradgate	130			
Brandon	432	Ci	Bo	Fs
Brayton	151	Lo		Lo
Breda	518	Lo		Lo
Bridgewater	188			
Brighton	632	GhCi	Bo	Fs
Bristow	230			
Britt	2,069	ScCm	DchBoXl	FtrCm
Bronson	193			
Brooklyn	1,410	Cm	DcpHoBo	FtrCp
Brunsville	125	Lo		Lo
Buckeye	143			
Buck Grove	41			
Buffalo	1,513	Sc(CpDo)	Bo	
Buffalo Center	1,118	Lo		Lo
Burlington	32,366	SchGahCm	DfhZilVrXdp	
Burt	608	Lo		Lo
Bussey	498	Lo		Lo
Calamus	396	Lo		Lo
Callender	421	Lo		Lo
Calmar	1,008	ShCm	DfhBoXl	Ftr Cp
Calumet	219			
Camanche	3,470	ScAa	HaBo	AaCmEcg
Cambridge	661	Lo		Lo
Cantril	258	Lo		Lo
Carbon	135			
Carlisle	2,246	LoLo		LoLo
Carpenter	122			
Carroll	8,716	SchKmCm	DfhBoXl	FthCmFtrCm
Carson	756	ShCpDo	Bo	FthCp
Carter Lake	3,268	To Omaha S.T.P.		
Cascade	1,744	ShCpDo	Ls	FthCm

TOWN	POP	PRIMARY TREATMENT	DIGESTION	SECONDARY TREATMENT
Casey	561	Sch Ae	Ad	Ae Lp
Castalia	210			
Castana	211			
Cedar Falls	32,964	ScmGwCm	DfhDfpHoBo	FthCmFtrCm
Cedar Rapids	110,642	SmGmwOacm	TemDfhemtXn	FcoCmFctrCm *
Indian Creek		SmgGmw (kaCm)	DfhmtBolsXd	FtrCm
Center Jct.	172			
Center Point	1,456	Sch (CpDo)	Bo	FtrCp
Centerville E	6,531	GmSchCm	DfhmBo	FtrCmFs
W		ShGhCi	Bo	Ftn
Central City	1,116	Sh (CpDo)	Bo	FthcCp
Centralia	105			
Chariton	5,009	ShGhCm	DfhXp	FtrCm
Charles City	9,268	ShGmwCm	DfhtXl Do	FtrcCm
Charlotte	444			
Charter Oak	715	Lo		Lo
Chatsworth	90			
Chelsea	381			
Cherokee	7,272	ScCm	Vv	AaCmEcg
Ind.		LnLa		LoLo
Chester	185			
Chillicothe	126			
Churdan	598	Lo		Lo
Cincinnati	570			
Clare	249			
Clarence	915	Sh (CpDo)	Bo	FthcCp
Clarinda	5,420	ScCm	DfhBo	FtrCm
Clarion	2,972	ShCm	DchBo	FtrCp
Clarksville	1,360	GhCs	Bo	
Clayton	113			
Clearfield	430			
Clear Lake	6,430	CmSmgCm	DfhtBoXl	FtrCm
Cleghorn	274	Lo		Lo
Clemons	178	Lo		Lo
Clermont	582	Sh (CpDo)	Bo	FthcCp
Clinton	34,719	SmGamCm	DfhmesBoXl	
Clio	113			
Clive	3,005	To Des Moines S.T.P.		
Clutier	275	Lo		Lo
Coburg	36			
Coggon	656	ShCm	DoBo	FthCmFthCp
Coin	294			
Colesburg N.W.	379	Lo		Lo
S.E.		Lo		Lo
Colfax	2,293	ShCi	Bo	FtrCp

TOWN	POP.	PRIMARY TREATMENT	DIGESTION	SECONDARY TREATMENT
College Sprs.	295			
Collins	404	Lo		Lo
Colo	606	Lo		Lo
Columbus City	312			
Columbus Jct.	1,205	Lo		Lo
Colwell	100			
Conesville	295	Lo		Lo
Conrad	932	ShGh (CmDm)	BoXl	FtrcCp
Conway	91			
Coon Rapids	1,381	ShKmCm	DfrBo	FtrCm
Coppock	58			
Coralville	6,130	SchAc	Ad	AcLpEg
Corning	2,095	SchGawCm	HoZilVpXp	FthAoCm
Correctionville	870	CpDo	BoXl	FctrCm
Corwith	407	Lo		Lo
Corydon S.	1,745	Lo		Lo
S.E.		Lo		Lo
S.W.		Lo		Lo
N.E.		Lo		Lo
Cotter	55			
Coulter	262			
Council Bluffs	60,348	GmCm	Dfht*VvZcXpXl	FtCmFtCmEcg
Craig	98			
Crawfordsville	288			
Crescent	284			
Cresco	3,927	ScShGhw	AdLs	AaCm
Creston	8,234	SchGmwCm	DfhmHcXl	FtrCm
Cromwell	168			
Crystal Lake	276			
Cumberland	385	ShCi	Bo	FtrCp
Cumming	189			
Curlew	95			
Cushing	204	Cs	Bo	Fs
Cylinder	133			
Dakota City	746	ShCi	Bo	FtrCp
Dallas	438			
Dallas Center	1,128	ShCi	Bo	FtrCp
Dana	118			
Danbury	527	Lo		Lo
Danville	948	Lo		Lo
Davenport	98,469	ScGmCm	DfhesLs	
Ridgeview	3,020	ShKmCm	DfpBo	FtrCmEcg
Davis City	301			
Dawson	232			
Dayton	909	ShCi	Bo	FtrCm
Decatur City	198			
Decorah	7,458	SchCm	DcmhBoXl	FtrCm
Dedham	325	Lo		Lo
Deep River	323			

TOWN	POP.	PRIMARY TREATMENT	DIGESTION	SECONDARY TREATMENT
Defiance	392	Lo		Lo
Delaware	153			
Delhi	527	Lo		Lo
Delmar	599			
Deloit	279	Lo		Lo
Delphos	35			
Delta	475			
Denison	6,213	SchGmwKaCm	DfhBoXl	FthCm
Denver	1,169	Lo		Lo
Derby	161			
Des Moines	201,404	SmtGamwOvKaCm	DfhZpVrXlBo	FoCmFthCmEcg
Highland Hills	2,800 E	GawSchCm	DghDgpBo	FtrCmEcg
DeSoto	369	Lo		Lo
DeWitt	3,647	SchGawCm	DghDcpBo	FthCm
Dexter	652	Lo		Lo
Diagonal	327			
Dickens	240			
Dike	794	(CpDo)	Bo	FtrCp
Dixon	276	Lo		Lo
Dolliver	95			
Donahue	216	Lo		Lo
Donnan	18			
Donnellson	798	ShGhCi	Bo	FtrCp
Doon	437	Lo		Lo
Dougherty	133			
Dow City	571	Lo		Lo
Dows	777	ShCi	Bo	FtrCp
Drakesville	163			
Dubuque	62,309	Smh(GaOa)Cm	HacZpVvXn	FthCmEg
Dumont	724	Lo		Lo
Duncombe	418	Lo		Lo
Dundee	166			
Dunkerton	563	Lo		Lo
Dunlap	1,292	Lo		Lo
Durango	55			
Durant	1,472	GhShCm	DfhBo	FtrCm
Dyersville	3,437	La		Lo
Dysart	1,251	SchCi	Bo	FtrCp
Eagle Grove	4,489	GmScCm	DfhtDopBo	FthCm
Earlham	974	Lo		Lo
Earling	573	SchAe	Xl	AeCp
Earlville	751	ShCi	Bo	Ftr
Early	727	Lo		Lo
East Peru	184			
Eddyville	970	Lo		Lo
Edgewood	786	Sh(CpDo)	Bo	FthCp
Elberon	203			
Eldon	1,319	Lo		Lo

TOWN	POP.	PRIMARY TREATMENT	DIGESTION	SECONDARY TREATMENT
Eldora	3,223	SchGhCm ScCm	DfhBoX1 Dcr	FtrCp FtrCp
Eldridge SW	1,535	Lo		Lo
Elgin	613	Ci	Bo	FtrCp
Elkader SW SE	1,592	Lo Sh (CmDm)	X1	Lo
Elkhart	269	Lo		Lo
Elk Horn	667	Lo		Lo
Elkport	87			
Elk Run Hts	1,175	SchAe		AeLp
Elliott	423	Lo		Lo
Ellston	76			
Ellsworth	443	(Ln)Lo		LoLp
Elma	601	SchGhAc		AcLp
Ely	275	Lo		Lo
Emerson	484	Ci	Bo	FtrCp
Emmetsburg	4,150	GaSchCm	DfhBoX1	FtrCp
Epworth	1,132	ShCm	DoX1	Ftr
Essex	170	Lo		Lo
Estherville	8,108	(SfOaka) GmSmCm	DfhLsX1	FoCmFtrCm
Evansdale	5,038	ScGmCm	AdLsX1	AmCmLp
Everly	699	Lo		Lo
Exira	966	Lo		Lo
Exline	224			
Fairbank	810	Lo		Lo
Fairfax	635	Lo		Lo
Fairfield	8,715	GmSchCm	DfhDcpX1	FtrCm
Farley	1,096	Lo		Lo
Farmersburg	232	Lo		Lo
Farmington	800			
Farnhamville	393	Lo		Lo
Farragut	521	Lo		Lo
Fayette	1,947	SchKmCm	DfhBoX1	FtrCp
Fenton	403			
Ferguson	203			
Fertile	394			
Floris	145			
Floyd	380	La		La
Fonda	980	ShCi	DfPBo	FtrCp

TOWN	POP.	PRIMARY TREATMENT	DIGESTION	SECONDARY TREATMENT
Fontanelle	752	Lo		Lo
Forest City SW E	3,841	Lo ShGmwCm	D(cg)hDopBoXl	Lo FtnFtrcCm
Fort Atkinson	339			
Fort Dodge	31,263	SmCmOaKaCm	DfhemtDsBoLs	FtoCmEgFtrCm
Fort Madison	13,996	SmhCm	HaZilVrXp	
Westerly		Lo		Lo
Fostoria	219			
Franklin	111			
Fraser	143			
Fredericksburg	912	ShCm	DopBoXl	FthCmFthCm
Frederika	190	Lo		Lo
Fredonia	168			
Fremont	480	Lo		Lo
Galt	50			
Galva	412	ShCi	Bo	FtrCmEcg
Garber	148			
Garden Grove	285			
Garnavillo	634	ShCm	DoBo	Ftr
Garner	2,217	LaLo		Lo
Garrison	383	Lo		Lo
Garwin	563	Cs	Bo	Fs
Geneva	201			
George	1,194	Lo		Lo
Gibson	80			
Gilbert	512	Lo		Lo
Gilbertville	655			
Gilman	513	Lo		Lo
Gilmore City	766	Lo		Lo
Gladbrook	961	Lo		Lo
Glenwood	4,421	SchGwCm	DfhDfpBoXl	FthCm
Glidden	964	ShCi	Bo	FtrCp
Goldfield	722	Lo		Lo
Goodell	218			
Goose Lake	218	Lo		Lo
Gowrie	1,225	ShCm	DoBo	FtrCp
Graettinger	907	Lo		Lo
Graf	70			
Grafton	254			
Grand Junction	967	ShCi	Bo	FtrCp
Grand Mound	627	Lo		Lo
Grand River	211			
Grandview	357			
Granger	661	Lo		Lo
Grant	152			
Granville	383	Lo		Lo
Gravity	286	Lo		Lo

TOWN	POP.	PRIMARY TREATMENT	DIGESTION	SECONDARY TREATMENT
Gray	145			
Greeley	323			
Green Island	112			
Greene	1,363	Ci	Xl	FthCm
Greenfield	2,212	SchGwCm	DchmDgpBoXl	FtrCm
Greenville	117			
Grimes	834	Sh (CpDo)	Bo	FtrCp
Grinnell	8,402	GmSch (KaOa)Cm	DfhBoXl	FtrCm
Griswold	1,181	ShCi	BoXl	FtrCp
Grundy Center	2,712	SchCm	DfhBo	FtrCm
Gruver	135			
Guernsey	94			
Guthrie Center	1,834	SchGawkaCm	DfhBoXl	FocCmFthCm
Guttenberg	2,177	Sh (CpDo)	Ls	
Halbur	235			
Hamburg	1,649	Lo		Lo
Hamilton	186			
Hampton	4,376	Sch (GwKm)Cm	DfhBo	FtrCm
Hancock	228	Lo		Lo
Hanlontown	182			
Hansell	124			
Harcourt	305			
Hardy	73			
Harlan	5,049	Sc (GawKm)Cm	DfhHcBoXl	FtrCp
Harper	173			
Harpers Ferry	227			
Harris	195	Lo		Lo
Hartford	582			
Hartley	1,694	SchKmCm	DfhBoXl	FthCp
Hartwick	101			
Harvey	217			
Hastings	229			
Havelock	248			
Haverhill	160			
Hawarden	2,789	(SchOa)SchAe	AdXl	AeCmLp
Hawkeye	529	SchCm	DoHoBo	FtrCp
Hayesville	93			
Hazelton	626	SchAe	AeEhLp	
Hedrick	790	Lo		Lo
Henderson	211			
Hepburn	38			
Hiawatha	2,416	To Cedar Rapids Indian Creek Plant		
Hills	507	SchAe		AeCp

TOWN	POP.	PRIMARY TREATMENT	DIGESTION	SECONDARY TREATMENT
Hillsboro	252			
Hinton	488	Lo		Lo
Holland	258	Lo		LoLp
Holstein	1,445	Lo		Lo
Holy Cross	290	Lo		Lo
Homestead S.D.	273	Lo		Lo
Hopkinton	800	Sf	Ad	RbcCmEcg
Hornick	250	Lo		Lo
Hospers	646	Lo		Lo
Houghton	119	Lo		Lo
Hubbard	846	Lo		Lo
Hudson	1,535	Cm	Bo	FthCp
Hull	1,523	ShCm	DfhBoXl	FtrCm
Humboldt	4,665	ShGwCm	DfrBoXl	FtrCm
Humeston	673	Lo		Lo
Hurstville	88			
Huxley	937	ShCi	Bo	FtrCp
Ida Grove	2,261	ShCm	DchmBo	FtrCm
Imogene	192			
Independence	5,910	SmKaCm	DfhHoBoXl	FtrCm
Indianola N	8,976	SghCm	DfhBo	FtrCm
S		GaSchAc	Ad	AcLp
Inwood	644	Lo		Lo
Ionia	270			
Iowa City	46,850	SmGmwCm	DghmesDgLS	FtrCm
Iowa Falls	6,454	SchGmwCm	DfhDoBoXl	FtrCm
Iowa Great Lakes S.D.		ScGmCm	DchtsBoLS	FtrcCm
Ireton	582	ShCi	Bo	FtrcCm
Irwin	446	Lo		Lo
Jackson Junction	106			
Jamaica	271			
Janesville	741	Ci	Bo	FtncCp
Jefferson	4,735	SmKmCm	DfhBoXl	FtrCm
Jesup	1,662	ShGmw(Afctr)	AdXl	AcCm
Jewell	1,152	Lo		Lo
Johnston	2,236			
Joice	201			
Jolley	112			
Kalona	1,488	Lo		Lo
Kamrar	243			
Kanawha	808	Lo		Lo
Kellerton	299			
Kelley	235			

TOWN	POP.	PRIMARY TREATMENT	DIGESTION	SECONDARY TREATMENT
Kellogg	607	Sh(CpDo)	Bo	FthCp
Kensett	361			
Kent	86			
Keokuk	14,631	SmgGamCm	DfhmtBoXl	
Keosauqua	1,018	Lo		Lo
Keota	1,112	Ci	Bo	FtrCp
Keswick	257			
Keystone	549	Lo		Lo
Kimballton	343	La		LoLo
Kingsley	1,097	Lo		Lo
Kinross	98			
Kirkman	72			
Kirkville	222			
Kiron	275	ShCi	BoXl	FtrCp
Klemme	533	Lo		Lo
Knierim	131			
Knoxville	7,755	Sh(GmKa)Cm	DfhBo	FtrCmEcg
Lacona	424	Lo		Lo
Ladora	321			
Lake City SW	1,910	Ci	Bo	Ftn
N		ShGhCm	Dop Bo	FtrCiFtn
Lake Mills	2,124	Cm	DchBoXl	FthCmLo
Lake Park	918	Lo		Lo
Lakeside	353	To Storm Lake Industrial Lagoon		
Lake View	1,249	GhSchCm	DfhBoLs	FctrFtrCm
Lakota	385			
Lambs Grove	239	Ci	Bo	Ftn
Lamoni	2,540	Lo		Lo
Lamont	498	Lo		Lo
LaMotte	326	Lo		Lo
Lanesboro	203			
Lansing	1,218	SchAc	Ad	Ac
La Porte City	2,256	ScGhCm	DchBo	FtrCm
Larchwood	611	Lo		Lo
Larrabee	167	Lo		Lo
Latimer	393			
Laurel	245			
Laurens	1,792	ShCm	DfhBo	FtrCm
Lawler	513	Lo		Lo
Lawton	406	Lo		Lo
Le Claire	2,520	Sh(CpDo)	BoXl	

TOWN	POP.	PRIMARY TREATMENT	DIGESTION	SECONDARY TREATMENT
Ledyard	240			
LeGrand	565	Lo		Lo
Lehigh	739	Lo		Lo
Leighton	140			
Leland	223	Lo		Lo
Le Mars	8,159	SmghGawCm	DtfhmLsBoXl	FtrCm
Lenox	1,215	La		LoLp
Leon	2,142	ShGhKmCm	DchHoBo	FtrCp
Le Roy	43			
Lester	238	Lo		Lo
Letts	434			
Lewis	526	Lo		Lo
Libertyville	329			
Lidderdale	173	Lo		Lo
Lime Springs	497	ScCp	DcpBo	FtncCp
Lincoln	184			
Linden	278			
Lineville	385			
Linn Grove	240			
Lisbon	1,329	SchAe	Xl	AeCmLp
Liscomb	328	Lo		Lo
Littleport	97			
Little Rock	531	Ci	BoXl	Ftnc
Little Sioux	239			
Livermore	510	Lo		Lo
Lockridge	232			
Logan	1,526	SchAc	Ad	AcLp
Lohrville	553	ShCi	BoXl	FtrcCm
Lone Rock	166			
Lone Tree	834	Lo		Lo
Long Grove	269	Lo		Lo
Lorimor	346			
Lost Nation	547	Lo		Lo
Lovilia	640	Lo		Lo
Lowden	667	ShCi	Bo	FtrCp
Low Moor	347	Lo		Lo
Luana	225	Lo		Lo
Lucas	247			
Luther	189			
Luverne	380			
Luxemburg	185			
Luzerne	134			
Lynnville	381	Lo		Lo
Lytton	378	La		LoLo

TOWN	POP.	PRIMARY TREATMENT	DIGESTION	SECONDARY TREATMENT
McCallsburg	307	Lo		Lo
McCausland	226	Lo		Lo
McClelland	146			
McGregor	990	Sc(CpDo)	Bo	
McIntire	234			
Macedonia	330	Lo		Lo
Macksburg	142			
Madrid	2,448	ShGa(CpDo)	X1	FtrCm
Magnolia	206			
Malcom	388	Lo		Lo
Mallard	384	Lo		
Maloy	45			
Malvern	1,158	Lo		Lo
Manchester	4,641	(LnLa)SchGhwCpKm	DfhBo	FtrCmEcg
Manilla	943	Lo		Lo
Manly	1,294	Lo		Lo
Manning	1,656	ShGmwCm	DcpBoX1	FtnCp
Manson	1,993	Lo		Lo
Mapleton	1,647	SchAc	Ad	AcLp
Maquoketa	5,677	ScGmwCm	DfhLs	
Marathon	447			
Marble Rock	461			
Marcus	1,272	(CpDo)	Bo	FtrCp
Marengo	2,235	Lo		Lo
Marion	18,028	To Cedar Rapids Indian Creek Plant		
	115	Lo		
Marne	187			
Marquette	509	Collection Only No S.T.P.		
Marshalltown	26,219	ScGawCm	DfhDtsLs	AaCmEcg
Martelle	341			
Martensdale	306	Lo		Lo
Martinsburg	140			
Marysville	91			
Mason City	31,951	SmGmwKaCm	D(cg)hmDfhBoX1	FtrCmAaCmKaEcgK
Masonville	147			
Massena	433	ShCi	X1	FtrCp
Matlock	89			
Maurice	266	Ci	-Bo	
Maxwell	758	ShCi	Bo	FtrCp
Maynard	503	SchAe		AeLp
Maysville	170			
Mechanicsville	989	ShCi	Bo	FtrCp
Mediapolis	1,242	Lo		Lo
Melbourne	661	ShCi	Bo	FtrCp
Melcher	913	Lo		Lo
Melrose	192			
Melvin	325			
Menlo	391			
Meriden	167	Lo		Lo
Merrill	790	Lo		Lo
Meservey	354			
Middletown	443	Ci	Bo	Fs
Miles	409	SchAe		AeLp

TOWN	POP.	PRIMARY TREATMENT	DIGESTION	SECONDARY TREATMENT
Milford	1,668	To Iowa Great Lakes S.D.		
Millersburg	187			
Millerton	82			
Millville	27			
Milo	561	Lo		Lo
Milton	567	Lo		Lo
Minburn	378	Lo		Lo
Minden	433	Lo		Lo
Mingo	260	Lo		Lo
Missouri Valley	3,519	Lo		Lo
Mitchell	233			
Mitchellville	1,341	ShCi	Bo	FtrCp
Modale	297			
Mondamin	420	Lo		Lo
Moneta	41			
Monmouth	257			
Monona	1,395	Sch (CpDo)	LsXl	FtrCp
Monroe	1,389	ShCi	Bo	FtrCp
SW		Lo		Lo
Montezuma	1,353	Lo		Lo
Monticello	3,509	ShGhCm	DfhHoBo	FtrCp
Montour	334	Lo		Lo
Montrose	735	SchAe		AeEg
Moorhead	271			
Moorland	269			
Moravia	699	Lo		Lo
Morley	123			
Morning Sun	906	Lo		Lo
Morrison	136			
Moulton	763	Lo		Lo
Mount Auburn	200	Lo		Lo
Mount Ayr	1,762	ShGhCi	BoXl	FtrCp
Mt. Pleasant	7,007	SrGmSchCm	DfhDgXl	FtrCm
Mount Sterling	87			
Mount Union	173			
Mount Vernon	3,018	ShGmWcm	DfhDcpXl	FtocCmFthcCm
Moville	1,198	Lo		Lo
Murray	620			

TOWN	POP.	PRIMARY TREATMENT	DIGESTION	SECONDARY TREATMENT
Muscatine	22,405	(Omcm)SchGmCm	HaZilVvXp	
Mystic	696			
Nashua	1,712	Ci	BoXl	FtrcCp
Nemaha	117			
Neola	968	CpDo	Bo	FtncCpEcg
Nevada	4,952	SchGmcm	DfhmtBoXl	FtrCm
New Albin	644	SchCm	DchBoXl	FthCmEgLp
Newell	877	ShCi	Bo	FtrCm
Newhall	701	Lo		Lo
New Hampton	3,621	ScGm(OaCm)CmaFth2Cm	DfhmtdfBoXl	2FtrCm2Lp
New Hartford	690	Lo		Lo
New Liberty	141			
New London	1,900	ShGhCm	DoBo	FtrCp
New Market	501	Lo		Lo
New Providence	208			
New Sharon	944	ShGhCm	DfpBo	FtnCp
Newton N.W.		GhCi	Bo	FtnCp
S.	15,619	ScGmKaCm	DfhHoBo	FtrCm
S.W.		Ci	Bo	FtnCp
W. #1		Lo		Lo
W. #2		Lo		Lo
New Vienna	392	Sh(CpDo)	Bo	FtrcCp
New Virginia	452	Lo		Lo
Nichols	396	Lo		Lo
Nodaway	176			
Nora Springs	1,337	Sch(CpDo)	Xl	FtncCm
Northboro	115			
N. Buena Vista	118			
North English	965	ShCm	DoBo	FtrCp
North Liberty	1,055	ShCi	Bo	FtrCp
N. Washington	134			
Northwood	1,950	Sn(CmDm)	BoXl	FrcnCm
Norwalk	1,745	Lo		Lo
Norway	554	Lo		Lo
Numa	165			
Oakland	1,603	Lo		Lo
Oakville	369			
Ocheyedan	545	Lo		Lo
Odebolt	1,323	ShCm	DopBo	FtrCp
Oelwein	7,735	SchKaCm	DfhBo	AaCmEcg
Ogden	1,661	SchGmCm	DfpBo	FtrCp
Okoboji	361	To Iowa Great Lakes S.D.		
Olds	206			
Old Town	24			

TOWN	POP.	PRIMARY TREATMENT	DIGESTION	SECONDARY TREATMENT
Olin	710	Lo		Lo
Ollie	268			
Onawa	3,154	SmgCm	DfhBo	FtrCm
Oneida	55			
Onslow	253	Lo		Lo
Orange City	3,572	SchGamKaCm	ZilVvXl	FtrCp
Orchard	115			
Orient	324			
Orleans	396	To Iowa Great Lakes S.D.		
Osage	3,815	GhShCmCp	DcmHcXl	FtrCm
Osceola E	3,124	ShCm	DchBo	FtrCp
SE		La		Lo
Oskaloosa S	11,224	La		La
NE		ScCm	HaVvZiXp	FtrCmEcg
SW		ScCm	THaVvZiXp	AmCmEcg
Ossian	847	ShCp	DfhBo	FthCp
Osterdock	59			
Otho	581	Lo		Lo
Oto	203			
Ottosen	93			
Ottumwa	29,610	ScGamOaCm	DfhLs	FthcCmEcg
Owasa	69			
Oxford	666	Ci	Bo	FthcCp
Oxford Junction	666	Lo		Lo
Oyens	145	Lo		Lo
Pacific Junction	505			
Packwood	157	Lo		Lo
Palmer	264			
Palo	430	ShCi	Bo	FthcCpEh
Panama	221			
Panora	982	Lo		Lo
Panorama Park	219			
Parkersburg	1,631	Lo		Lo
Parkview S.D		La		Lo
Parnell	175			
Paton	329			
Patterson	120			
Paullina	1,257	Lo		Lo
Pella NW		ShCi	DfhBols	FtrCp
E	6,784	ShCm	Bo	FthCm
SW		ShCi	Bo	FtrCp

TOWN	POP.	PRIMARY TREATMENT	DIGESTION	SECONDARY TREATMENT
Peosta	116			
Perry	6,906	SchGaCm	DfhBoLs	FtoCmFtrCm
Persia	316			
Peterson	469	Lo		LoLp
Pierson	421	Ci	Bo	Fs
Pilot Mound	214			
Pioneer	56			
Pisgah	286	Lo		Lo
Plainfield	446	ShCs		Lo
Plain View	23			
Plano	109			
Pleasant Hill	1,535	Sc(KmCm)	HaZilVvXp	FtrCmEcg
Pleasanton	62			
Pleasant Plain	121			
Pleasantville	1,297	Lo		Lo
Plover	129			
Plymouth	461	Lo		Lo
Pocahontas	2,338	SchCm	DfhBo	Ftr
Polk City	715	Lo		Lo
Pomeroy	765	Lo		Lo
Popejoy	147			
Portsmouth	239			
Postville	1,546	ScKaCm	DfhBo	FthCm
Industrial		Ln		LoLoLp
Prairieburg	182			
Prairie City	1,141	La		LaEcg
Prescott	305	Lo		Lo
Preston	950	Lo		Lo
Primghar	995	Lo		Lo
Princeton	633	Lo		Lo
Promise City	148			
Protivin	333			
Pulaski	255			
Quasqueton	464	Lo		Lo
Quimby	395	Lo		Lo
Radcliffe	548	Lo		Lo
Rake	324			
Ralston	129			
Randalia	81			
Randall	179			
Randolph	214			
Rathbun	113			
Raymond	582			
Readlyn	616	SchAe		AeLp

TOWN	POP.	PRIMARY TREATMENT	DIGESTION	SECONDARY TREATMENT
Reasnor	284	Lo		Lo
Redding	111			
Redfield	921	Lo		Lo
Red Oak	6,210	SchGawCm	DfhtBo	FthCm
Reinbeck	1,711	ShCi	BoXl	FtrCp
Rembrandt	250	Lo		Lo
Remsen	1,367	ShCm	DfhBoXl	FtrCm
Renwick	429	Lo		Lo
Rhodes	347	Lo		LoLp
Riceville	877	Lo		Lo
Richland	595			
Rickardsville	193			
Ricketts	141	Ci	Bo	
Ridgeway	218	Lo		Lo
Rinard	88			
Ringsted	509	Lo		Lo
Rippey	270	Lo		Lo
Riverdale	684			
Riverside	758	SchAe		Ae
Riverton	331			
Robins	663			
Rock Falls	150			
Rockford	902	Lo		Lo
Rock Rapids	2,632	SrScCm	DfhBoXl	FtrCm
Rock Valley	2,205	SchCm	DfhBo	FtrCm
Rockwell	923	Cm	DcpBo	FrncCp
Rockwell City	2,396	SchGhCm	DfhBo	FtrCm
Rodman	104			
Rodney	66			
Roland	803	Lo		Lo
Rolfe	767	Lo		Lo
Rome	135			
Rose Hill	192			
Rossie	91			
Rowan	231			
Rowley	241	Lo		Lo
Royal	469	Lo		Lo
Rudd	429			
Runnells	354			
Russell	591	Lo		Lo
Ruthven	708	Lo		Lo
Rutland	215			
Ryan	343	(Ftoc) Lo		Lo
Sabula	845	SchCi	Bo	
Sac City	3,268	SchCm	Dcmh	FtrCm
Sageville	338			
St. Ansgar	994	Lo		Lo
St. Anthony	156			

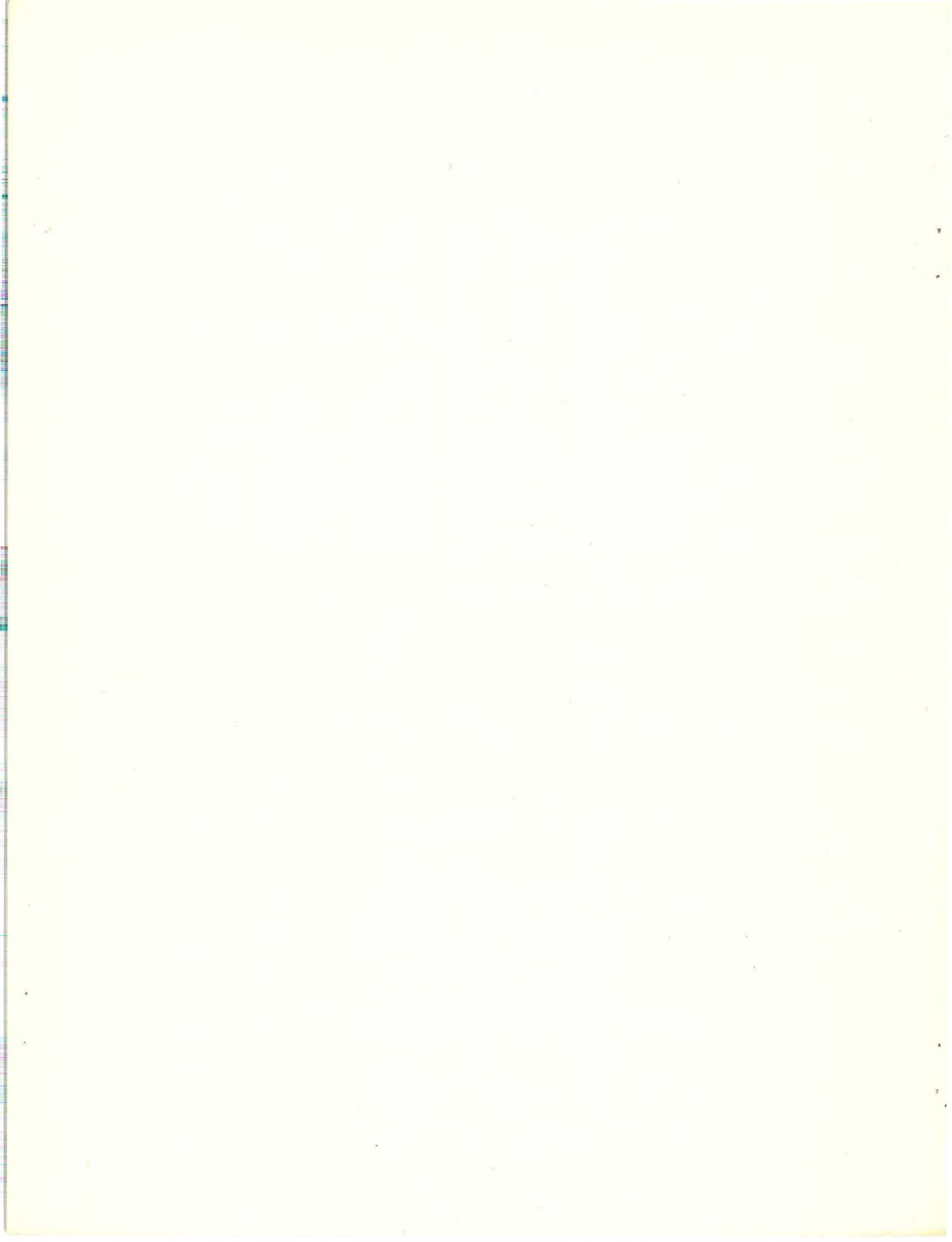
TOWN	POP.	PRIMARY TREATMENT	DIGESTION	SECONDARY TREATMENT
St. Charles	443			
St. Donatus	164	Lo		Lo
St. Lucas	194			
St. Marys	105			
St. Olaf	140			
St. Paul	129			
Salem	458	Lo		Lo
Salix	387			
Sanborn	1,465	SchGhCm	DfhBo	FtrCm
Sandyville	89			
Scarville	81			
Schaller	835	Lo		Lo
Schleswig	875	La		Lp
Scranton	751	ShCi	Bo	FtrCp
Searsboro	140			
Sergeant Bluff	2,054	To Sioux City S.T.P.		
Seymour E	931	Ci	Bo	Fs
SW		Ci	Bo	Fs
Shambaugh	178			
Shannon City	100			
Sharpsburg	106			
Sheffield	1,070	Lo		Lo
Shelby	868	Lo		Lo
Sheldahl	285			
Sheldon	4,535	SchGhKmCm	DfhBo	FthCm
Shell Rock	1,159	Sh(CpDo)	BoX1	FthCp
Shellsburg	740	ShCi	Bo	FthCp
Shenandoah	5,968	SchGwCm	DfhDfpBoX1	FthCm
Sherrill E	190	Lo		Lo
W		Lo		Lo
Shueyville	187			
Sibley	2,749	SchGmCm	DfhBoX1	FoCmFtncCm
Sidney	1,061	Ci	BoX1	FtnCp
Sigourney E	2,319	ShGhCi	Bo	Ftr
W		ShGhCi	Bo	Ftr
Silver City	272			
Sioux Center	3,450	SchCm	DfhBoX1	FtrCm
Sioux City	85,925	SmGmwCm	DfhmtBoLs	
Sioux Rapids	813	ShCi	Bo	FtrCp
Slater	1,094	Lo		Lo
Sloan	799	ShCi	Bo	FtrCp
Smithland	293	Lo		Lo

TOWN	POP.	PRIMARY TREATMENT	DIGESTION	SECONDARY TREATMENT
Soldier	242			
Solon	837	ShCi	Bo	FtrCpEcg
Somers	197			
South English	218			
Spencer	10,278	Gmw (KaCm)	DfhtHoBoX1	FoCmFtrCm
Spillville	361	Lo		Lo
Spirit Lake	3,014	Tp Iowa Great Lakes S.D.		
Spragueville	112	ShAe		AeLp
Springbrook	196	Lo		Lo
Spring Hill	131			
Springville	970	ShCi	Bo	FthCp
Stacyville	598	ShCi	Bo	Ftrc
Stanhope	482	Lo		Lo
Stanley	151			
Stanton	574	Lo		Lo
Stanwood	642	ShCi	Bo	FthCp
State Center	1,232	ShGhKmCm	DfhBo	FtocCpFthCpFthCp
Steamboat Rock	394	Sch (CpDo)	X1	FthCp
Stockport	334			
Stockton	222	Lo		Lo
Storm Lake	8,591	ShGmCm	DfhBo	FoCmFtrCm
Industrial		LnLaLa		LoLoLp
Story City	2,104	ShCi	Bo	FtrCp
Stout	196			
Stratford	710	ShAe		AeLp
Strawberry Point S	1,281	Lo		Lo
N		Lo		Lo
Struble	59			
Stuart	1,354	GhShCm	DopBoX1	FtrCp
Sully	685	La		LoLoLo
Sumner	2,174	ScCm	DfhBo	FtrCm
Superior	139			
Sutherland	875	Lo		Lo
Swaledale	222			
Swan	56			
Swea City	774	Lo		Lo
Swisher	417	ShScAe		AeCpEcg Lp
Tabor	957	SchAe	X1	Ae
Tama	3,000	SchGamwCm	DfhHoBo	FtrCm
Templeton	312	Lo		Lo
Tennant	93			
Terril	397	Lo		Lo
Thayer	100			
Thompson	600			
Thor	212			
Thornburg	98			

TOWN	POP.	PRIMARY TREATMENT	DIGESTION	SECONDARY TREATMENT
Thornton	410	Lo		Lo
Thurman	230			
Tiffin	299	SchAe		Ae
Tingley	244			
Tipton	2,877	GmSchCm	DfhmDcpBoXl	FtrcCm
Titonka	599	CpFtroc		Lo
Toledo	2,361	ShGhCm	DoBoXl	FtrCp
Toronto	145			
Traer	1,682	GhScKmCm	DchBo	FtrCp
Treynor S.E.	472	Lo		Lo
S.W.		Lo		Lo
Tripoli	1,345	Lo		Lo
Troy Mills S.D.	250	ShCi	Ls	
Truesdale	132			
Truro	359	Lo		Lo
Turin	115			
Udell	71			
Underwood	424	Lo		Lo
Union	484	Lo		Lo
Unionville	161			
University Heights	1,265	To Iowa City S.T.P.		
University Park	534	Cs		La
Urbana	552	Lo		Lo
Urbandale	14,434	To D.M. S.T.P.		
Ute	512	Lo		Lo
Vail	486	Lo		Lo
Valeria	96			
Van Horne	613	ShCi	Bo	FtrCp
Van Meter	464	Lo		Lo
Van Wert	244			
Varina	140			
Ventura	543	To Clear Lake S.T.P.		
Victor	949	SchAe		AeCpLp
Villisca	1,402	SchCm	DoBoXl	FtrCm
Vincent	204	Lo		Lo
Vining	71			
Vinton	4,845	ScGahKaCm	DfhBo	FthCm
Volga City	305			
Wadena	237	Lo		Lo
Wahpeton	149	To Great Lake S.D.		
Walcott	989	Lo		Lo
Walford	286			
Walker	622	Lo		Lo
Wallingford	245			
Wall Lake	936	Lo		Lo
Walnut	870	Lo		Lo
Wapello	1,873	Lo		Lo
Washington	6,317	ShGmCm	DfhHoXl	FtrCm

TOWN	POP.	PRIMARY TREATMENT	DIGESTION	SECONDARY TREATMENT
Washta	319	Lo		Lo
Waterloo	75,533	(GaOaCmFoCm)SmGmOaKaCm	DfhVvXl	FthCmEh
Waterville	158			
Waucoma	357			
Waukee	1,577	La		Lo
Waukon	3,883	SchCm	DfhBoXl	FthCmFthCm
Waverly	7,205	Sc(GmKa)Cm	DfhmHcXl	FtrcCm
Wayland	702	Lo		Lo
Webb	234			
Webster	130			
Webster City	8,488	ShGwCm	DfhBoXl	FtrCm
Weldon	155			
Wellman	1,068	ShGh(CmDm)	Ls	FthCm
Wellsburg	754	ShCi	Bo	FtrCp
Welton	104			
Wesley	548			
West Bend	865	Ci	Bo	FtrCp
West Branch	1,322	ShCi	BoHoXl	FtrCp
West Burlington	3,139	SmGmCi	Bo	FtrCp
West Chester	199			
West Des Moines	16,441	To D.M. S.T.P.		
Westfield	148	Lo		Lo
Westgate	204			
West Liberty	2,296	ShGawCm	DchBols	FtrCp
West Okoboji	210	Great Lakes S.D		
Westphalia	121			
West Point	1,045	Ci	Bo	FtrCp
Westside	389	Lo		Lo
West Union N	2,624	SchCi	BoXl	FtrCp
S		SchCi	DcpXl	FtnFtrCp
What Cheer	868	ShCi	Bo	FtnCp
Wheatland	832	SchAe		AeCmLp
Whiting	590	Lo		Lo
Whittemore	658	ShGhCm	DfhBo	FtrCp
Whitten	194			
Willey	72			
Williams	456	Lo		Lo
Williamsburg	1,807	ShAc		AcCmLpEcg
Williamson	216			
Wilton	1,873	ScGh(CpDo)	Bo	FtrCm
Windsor Heights	6,303	To D.M. S.T.P.		
Winfield	897	GhShCs	Bo	FtrCp
Winterset	3,654	GhShCmSchCm	DcmpDcmpDoBoXl	FtrLp
Winthrop	750	ShCi	Bo	FtrCp
Wiota	171			
Woden	265			
Woodbine	1,349	Lo		Lo

TOWN	POP.	PRIMARY TREATMENT	DIGESTION	SECONDARY TREATMENT
Woodburn	186			
Woodward	1,010	Lo		Lo
Woolstock	222			
Worthington	365	SchAe		AeLp
Wyoming	746	Lo		Lo
Yale	301			
Yetter	47			
Yorktown	105			
Zearing	535	Lo		Lo
Zwingle	96			



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